

FIG.1

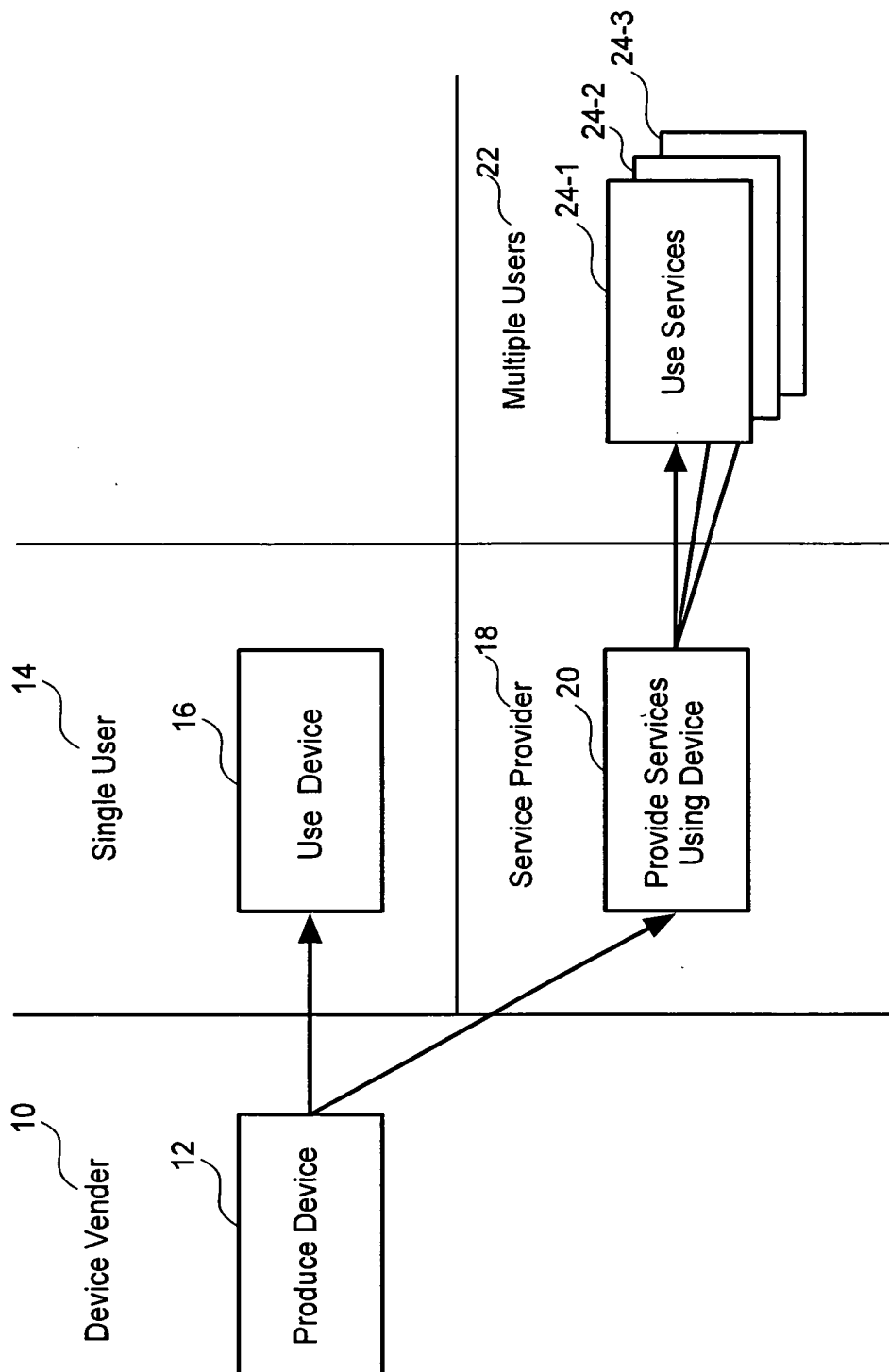
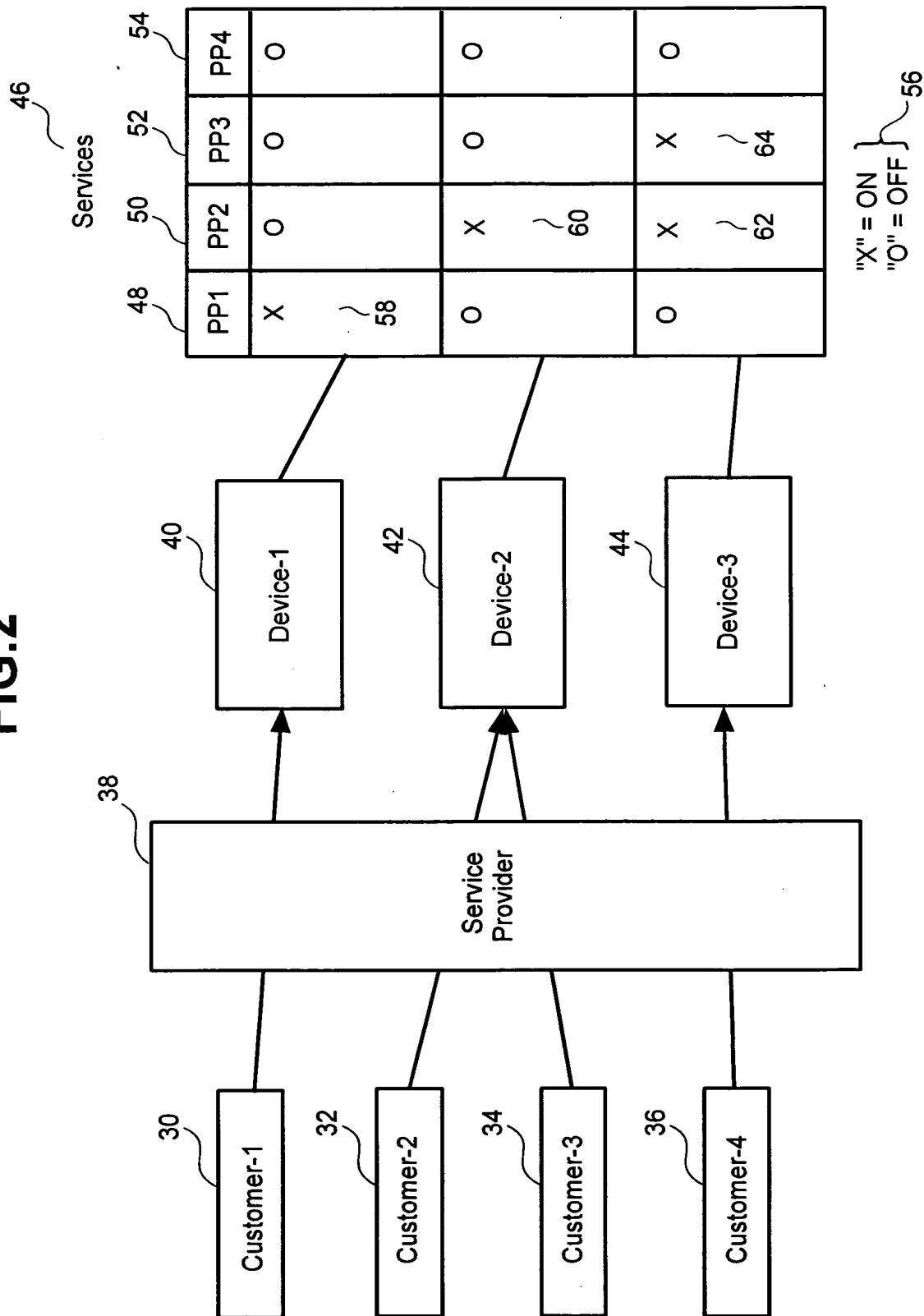


FIG.2



## SERVICE PROVIDER SYSTEM ARCHITECTURE

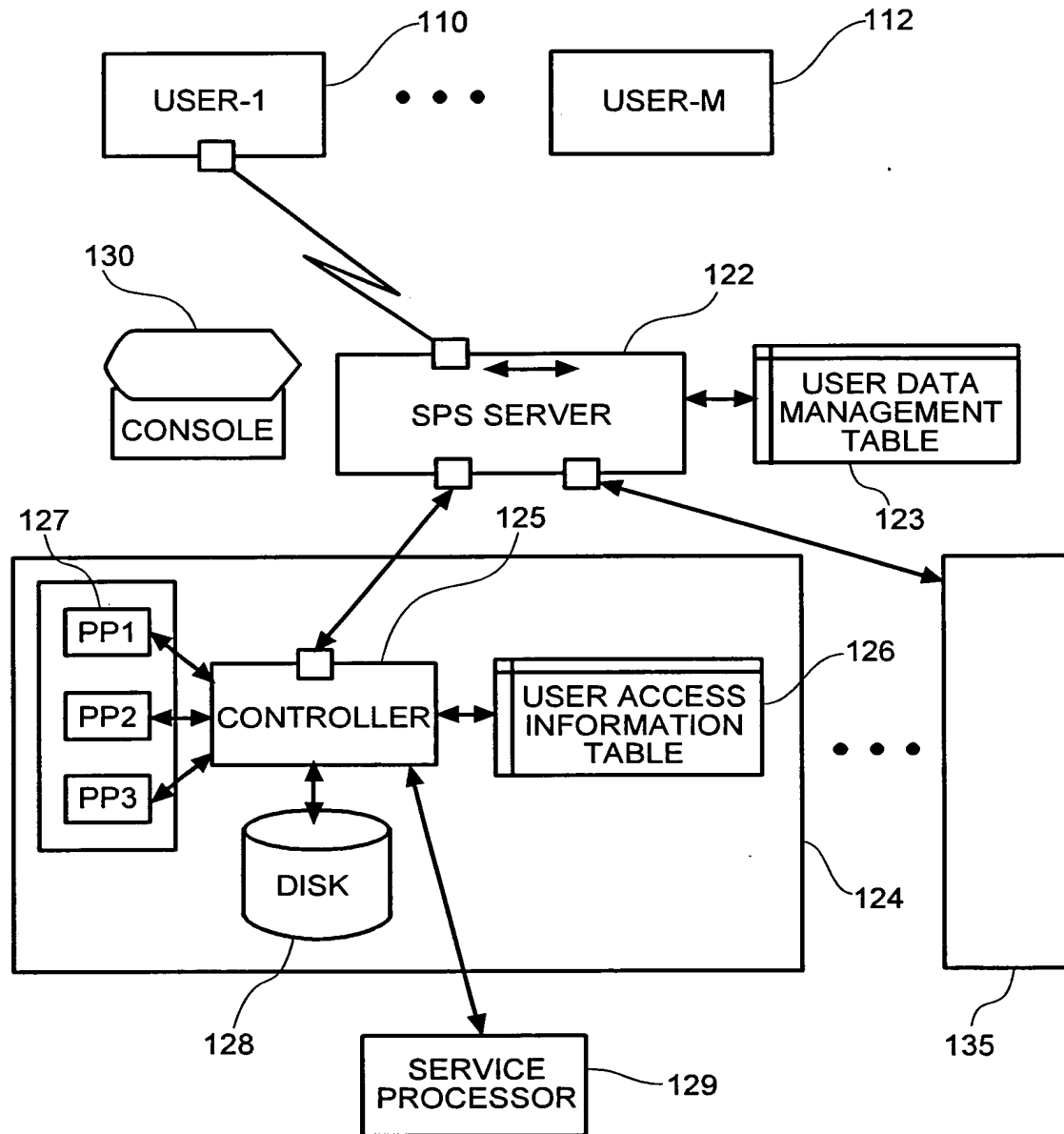


FIG.4

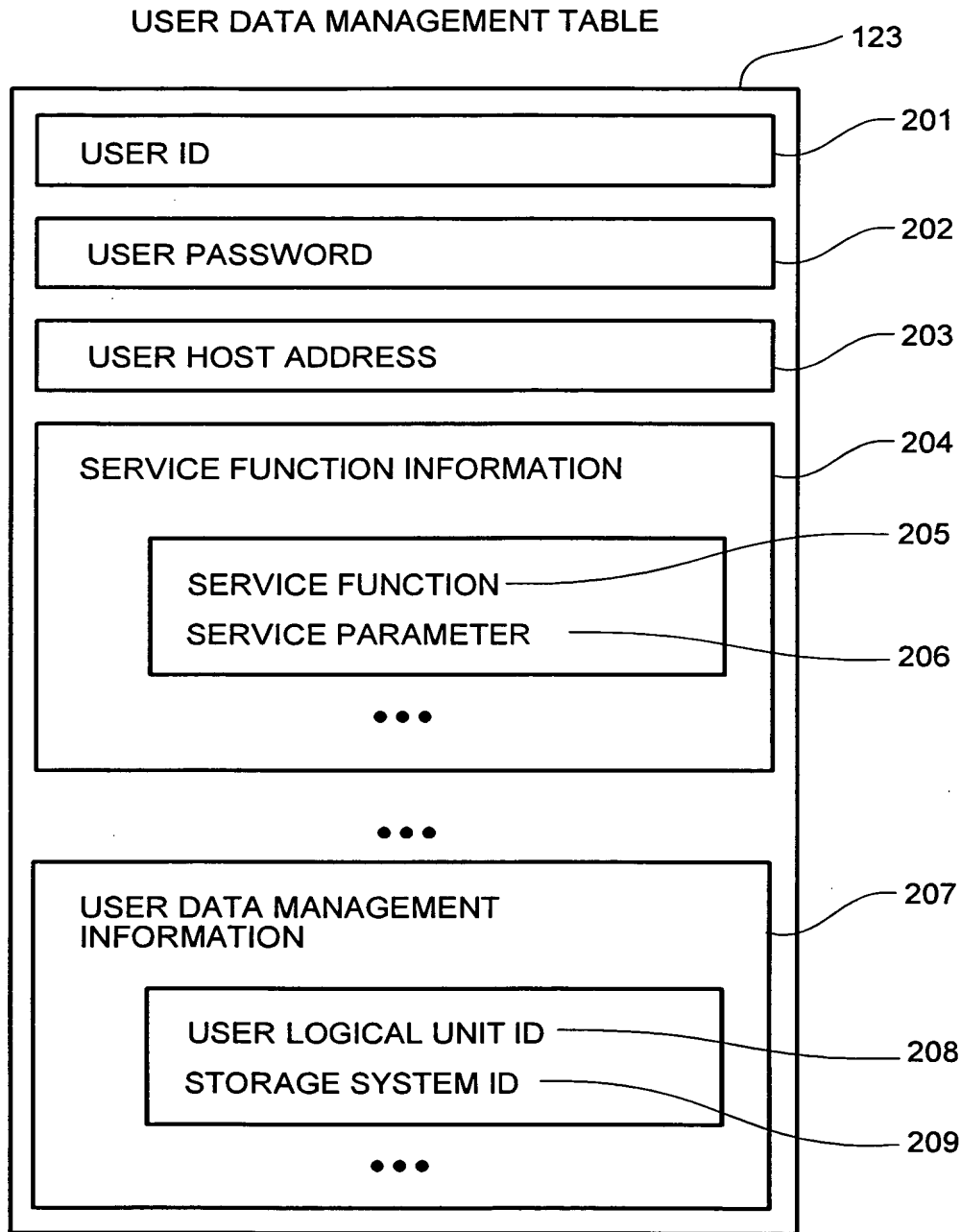
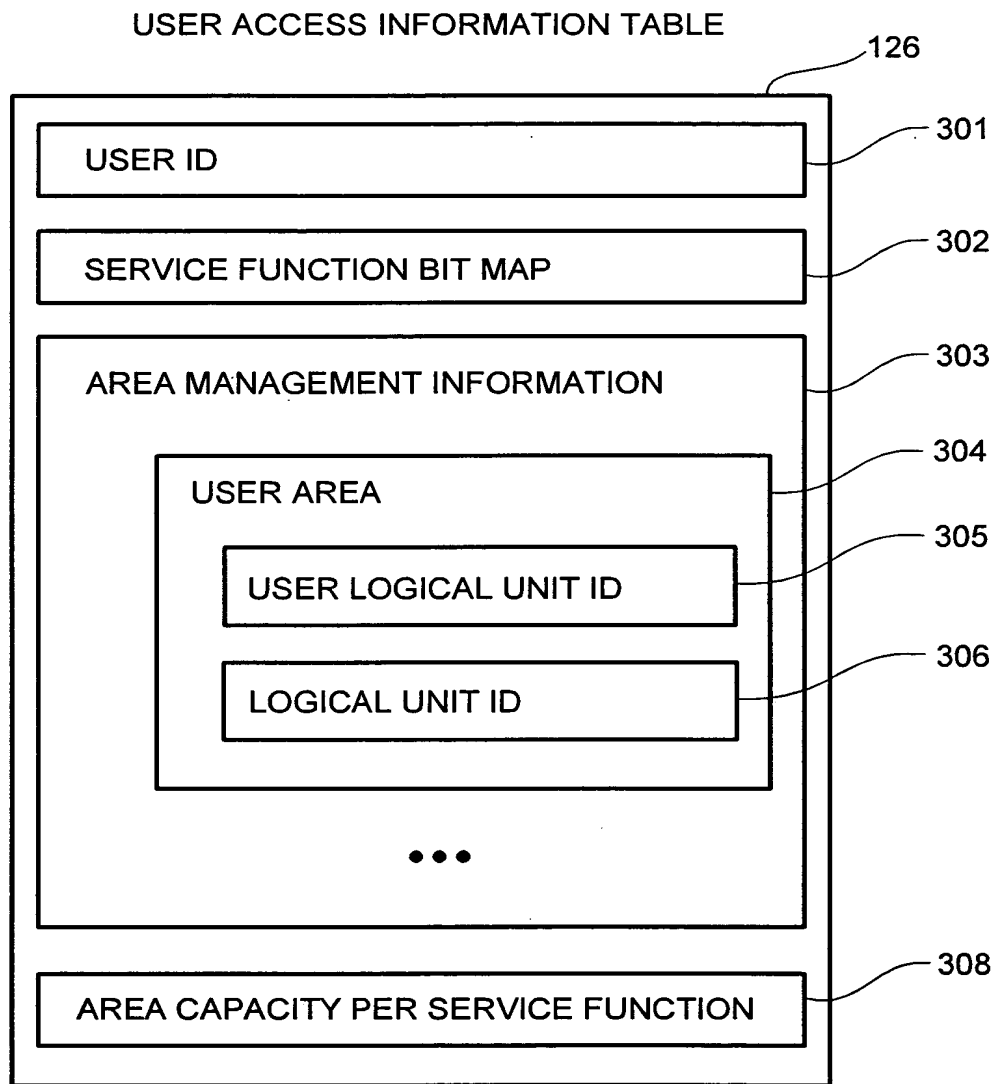


FIG. 5

201		204-1			204-2		204-3		204-4		207-1		207-2		207-3	
USER		PP1	PP2	PP3	PP4	D1	D2	D3								
201-A	A	O	X	X	O	X	O	X	222							
201-B	B	O	O	X	O	X	O	O								
201-C	C	X	O	O	O	O	O	X	223							
201-D	D	X	X	O	O	O	X	O	224							
201-E	E	X	X	X	O	O	X	O								
201-F	F	X	X	O	O	O	X	O								
201-G	G	X	O	X	O	X	O	O	226							
201-H	H	X	O	O	O	X	O	O								

"X" = ON  
"O" = OFF

**FIG.6**



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FIG. 7

301	302-1	302-2	302-3	302-4	303
USER	PP1	PP2	PP3	PP4	Mgmt. Info
A	O	X	X	O	
B	O	O	X	O	
G	X	O	X	O	
H	X	O	O	O	
TOTAL CAPACITY	80M	130M	60M		

318

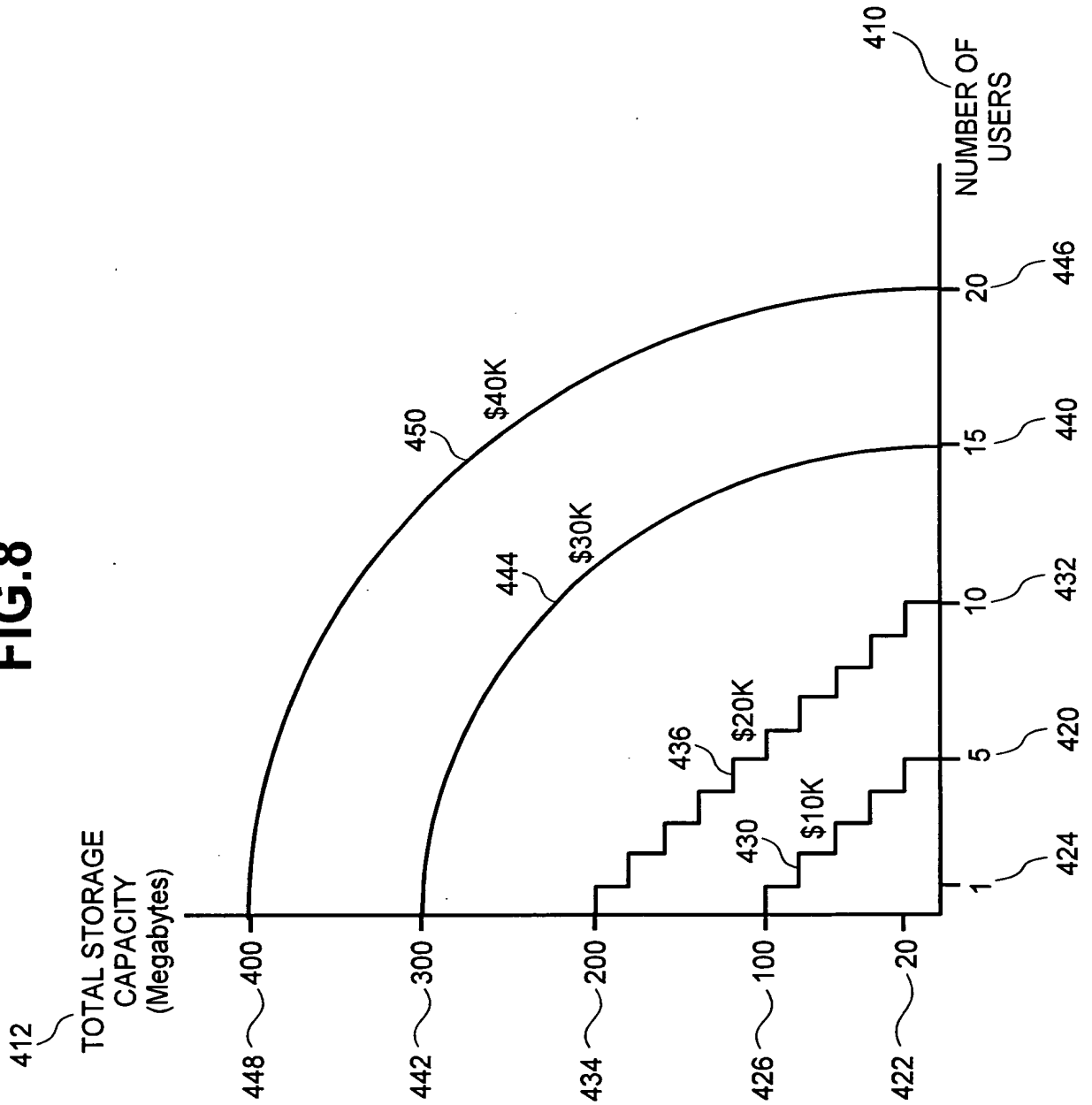
320

322

324

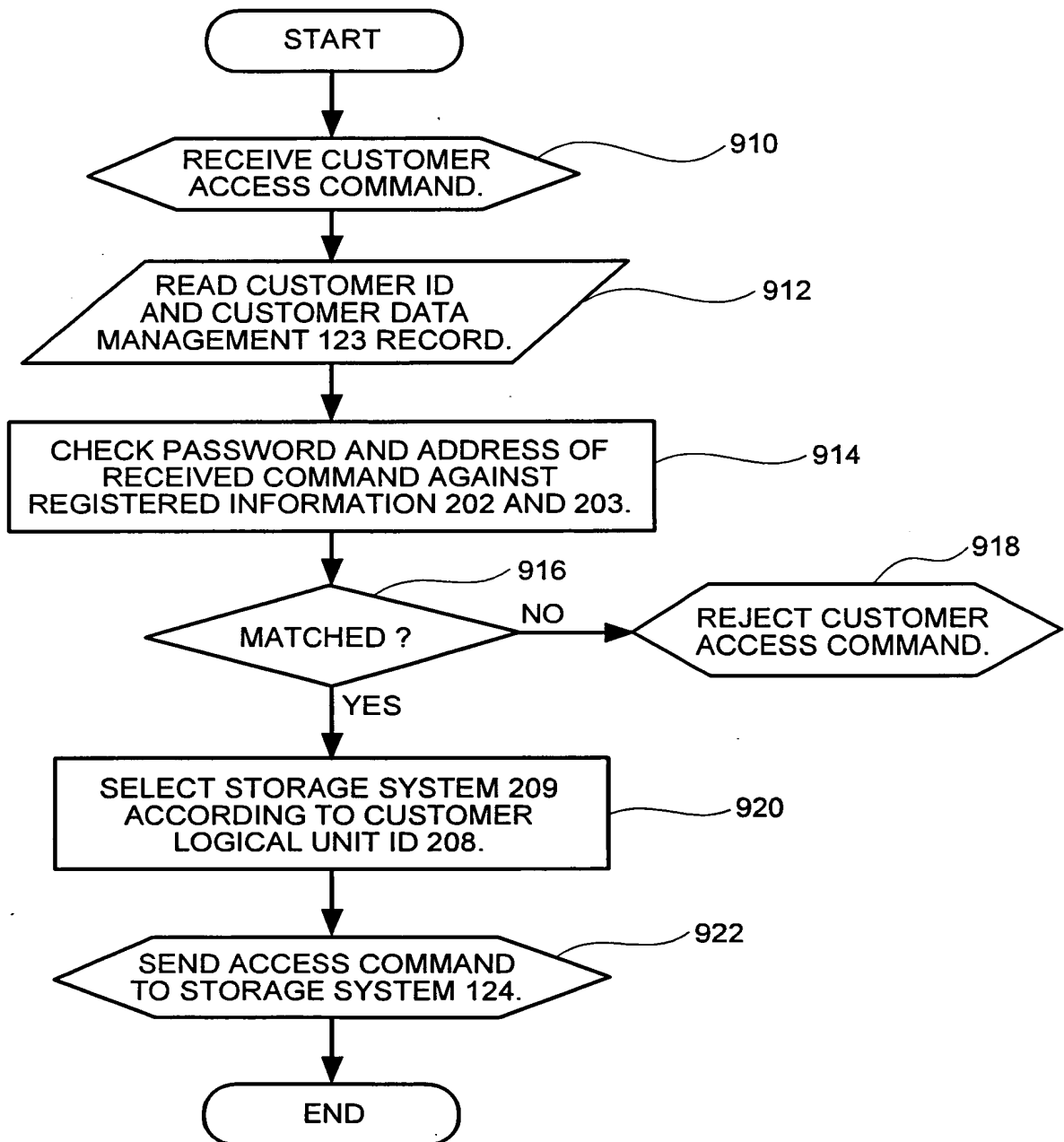
326

FIG. 8





## SERVICE PROVIDER SERVER OPERATION IN RESPONSE TO RECEIVED CUSTOMER ACCESS COMMAND



## FIG.10

### SERVICE PROVIDER SERVER OPERATION IN RESPONSE TO RECEIVED CUSTOMER SERVICE COMMAND

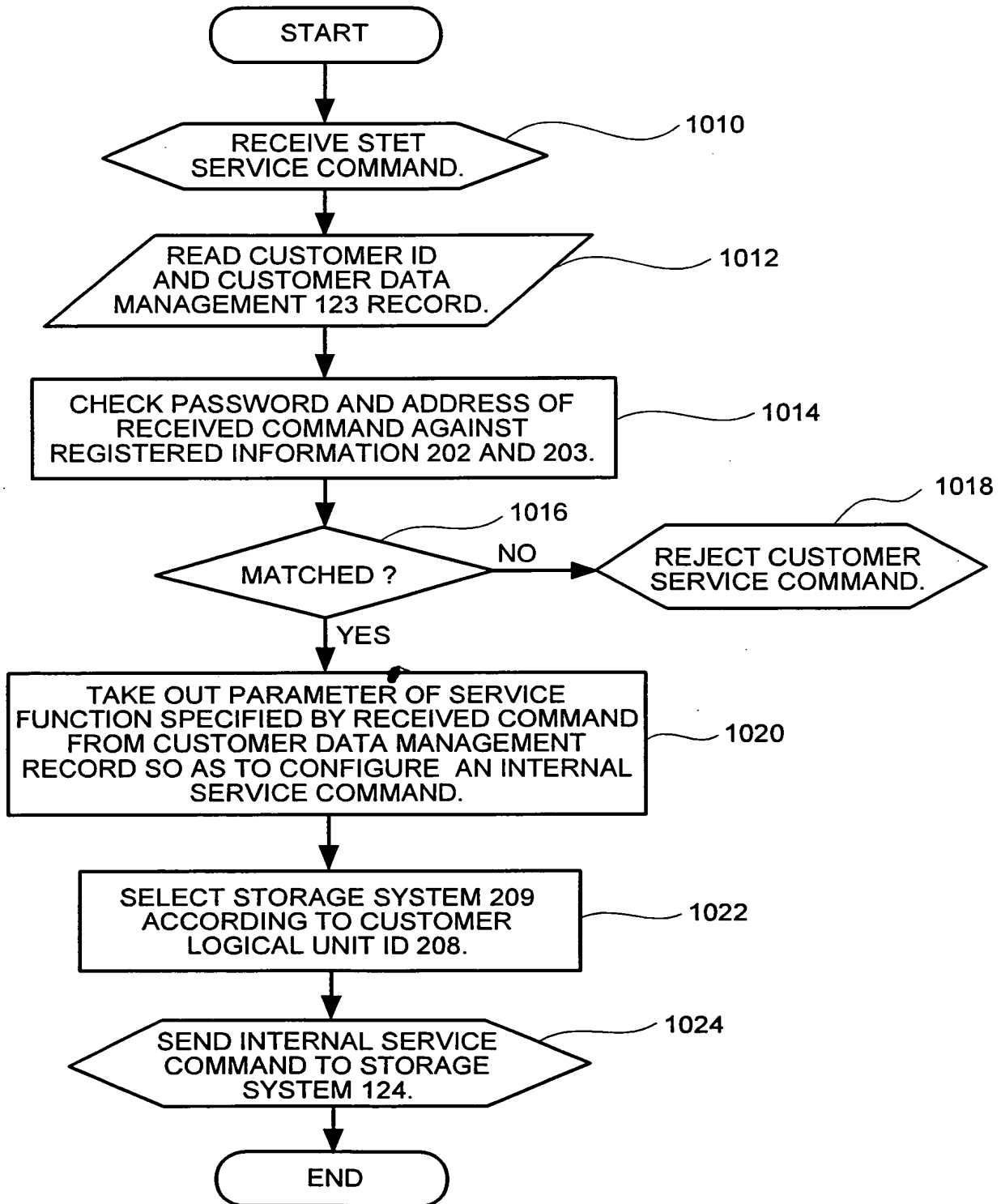
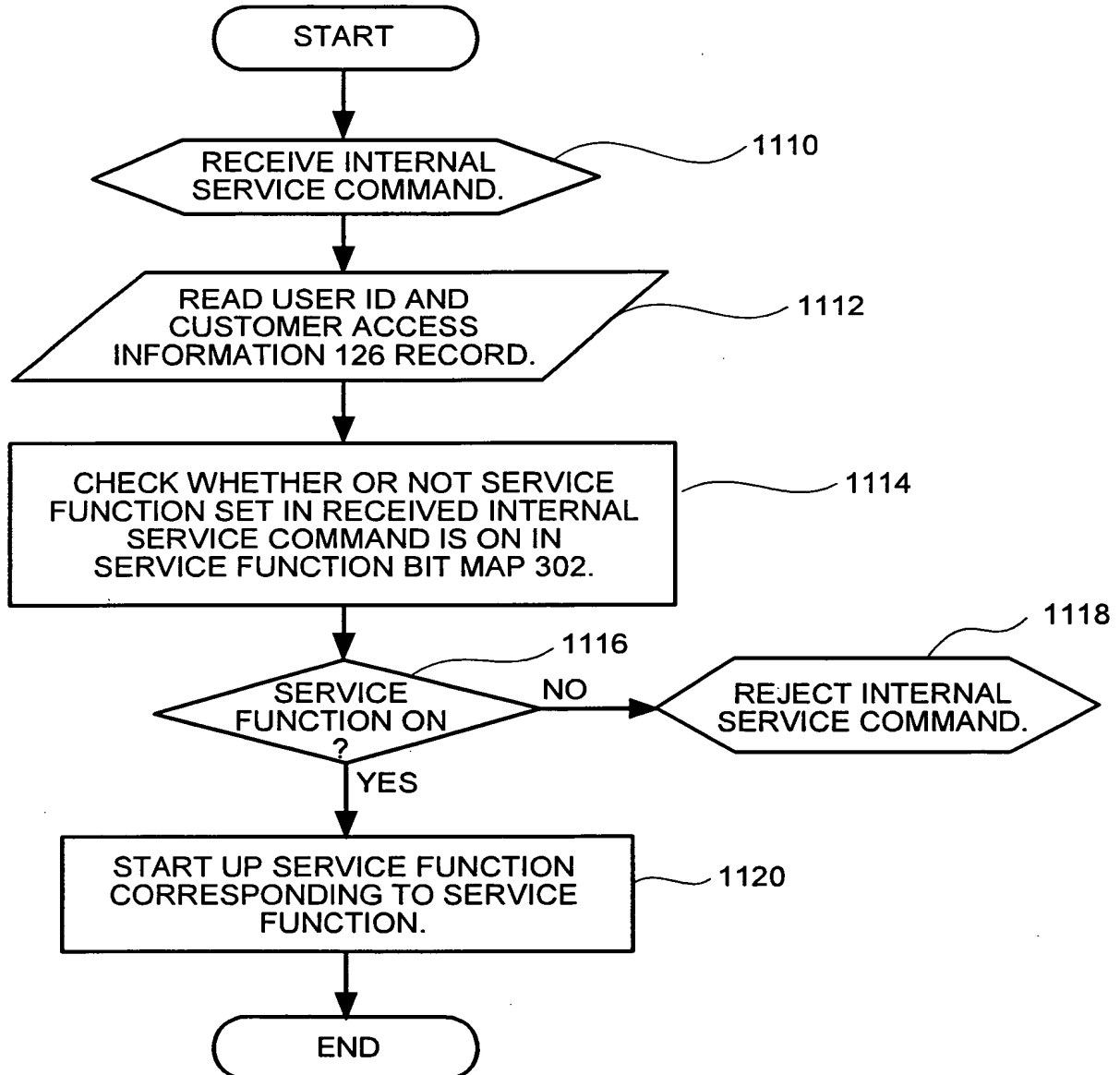


FIG. 10

## FIG.11

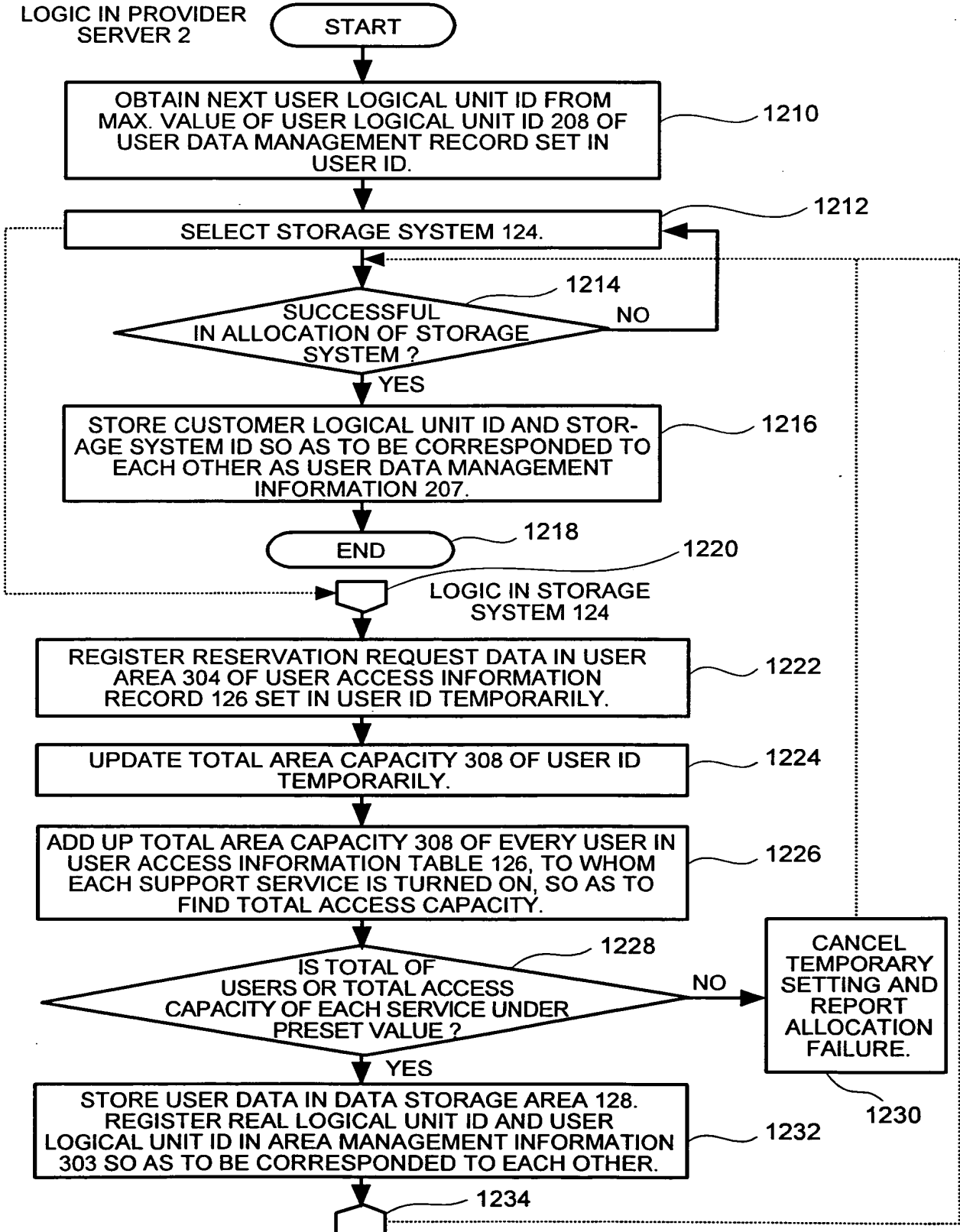
### STORAGE CONTROLLER OPERATION IN RESPONSE TO RECEIVED SERVICE COMMAND



## FIG.12

### NEW DATA AREA RESERVATION PROCESSING

LOGIC IN PROVIDER  
SERVER 2



052101 052101 052101

## FIG.13

### NEW SERVICE SUPPORTING REGISTRATION PROCESSING

LOGIC IN PROVIDER  
SERVER 2

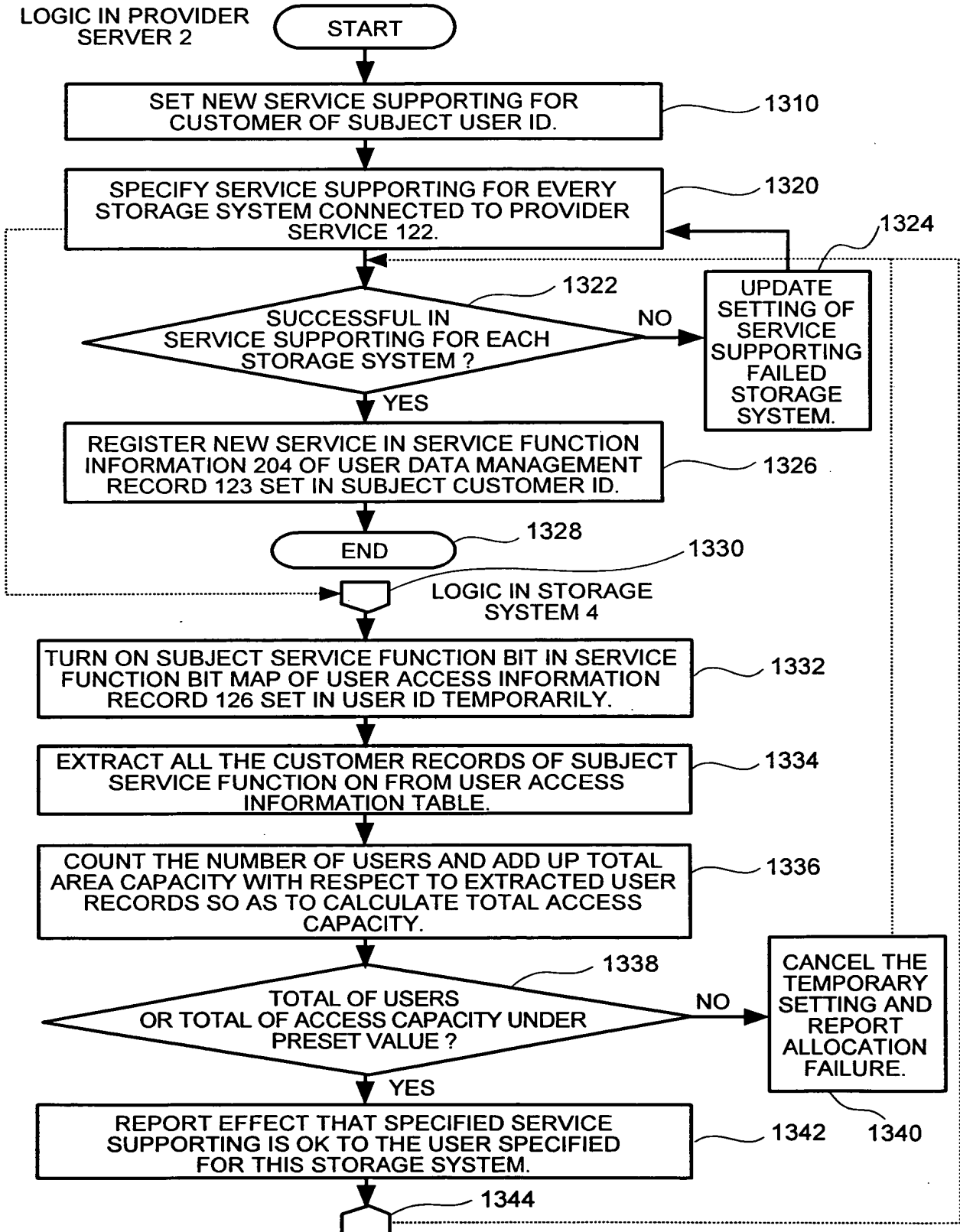


FIG. 13